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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/817,309	04/02/2004	Shawmin Lei	SLA1465	1840
7590 Gerald W. Maliszewski P.O. Box 270829 San Diego, CA 92198-2829			EXAMINER REDDING, THOMAS M	
			ART UNIT 2624	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/817,309

Applicant(s)

LEI ET AL.

Examiner

Thomas M. Redding

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-47 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-47 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>4/2/2004</u> . | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because it contains a title. "The sheet or sheets presenting the abstract may not include other parts of the application or other material" (excerpt of MPEP 37 CFR 1.72.). Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 3, 8, 14, 16, 24, 26, 31, 29 and 47 are rejected under 35 U.S.C. 102(b) as being anticipated by Mayer et al. (US 6,449,003).

Regarding claims 1, 24 and 47 Mayer, working in the same field of endeavor of 3D encoding, teaches [a] three-dimensional (3D) video receiver system, the system comprising:

a decoder having an input connected to a channel to accept a bitstream with a current video frame encoded with two interlaced fields and an output to supply a decoded current frame top field and current frame bottom field ("The line polarization method utilizes the interlace method in televisions transmissions. In the interlace method, a first and a second field are always transmitted in alternation, these being combined in a comb-like fashion to form an image", Mayer, column 1, line 19); and, a display having an input to accept the decoded fields, the display visually presenting the decoded top and bottom fields as a 3D frame image ("FIG. 1 presents this situation [], whereby, for example, a 3D-image derives whose first line Z1 represents the first line of the 2D-Field 1, namely B1Z1, whose second line Z2 represents the second line of the 2D-Field 2, namely B2Z2, whose third line Z3 represents the third line of the 2B-Field 1, namely B1Z3, whose fourth line Z4 represents the fourth line of the 2D-Field 2, namely B2Z2, etc., until the penultimate line Z_{n-1} that represents the penultimate line of the 2D-Field 1, namely B1 Z_{n-1} , and last line Z_n that represents the last line of the 2D-Field 2, namely B2 Z_n ", Mayer, column 4, line 39 and "In FIG. 9, the input signal VS is digitalized and at least one image is deposited in the RAM memory 2 at the same time. With the controller 3, the stored images are fetched at a rate independent of the storing and are forwarded to the digital-to-analog converter 4 that generates a video signal with a new resolution therefrom and forwards it to the picture screen 5", Mayer, column 8, line 56, and figure 9).

Regarding claims 3 and 26, Mayer teaches wherein the display visually presents the decoded top and bottom fields as a stereo-view image ("In FIG. 9, the input signal VS is digitalized and at least one image is deposited in the RAM memory 2 at the same time. With the controller 3, the stored images are fetched at a rate independent of the storing and are forwarded to the digital-to-analog converter 4 that generates a video signal with a new resolution therefrom and forwards it to the picture screen 5", Mayer, column 8, line 56, and figure 9 and "one can view three-dimensionally with corresponding eyeglasses that filter out the one image for the one eye and the other image for the other eye", mayer, column 1, line 35).

Regarding claims 8 and 31, Mayer teaches wherein the display visually presents a 2D image in response to using only one of the decoded current frame interlaced fields ("FIG. 6 shows a sixth table with the indication of line allocations given a change from a three-dimensional image to a two-dimensional image", Mayer, column 3, line 51 and Figure 6, Figure 6 shows the 2D image being generated from all odd field lines, which would correspond to one of the interlaced fields).

Regarding claims 14 and 37, Mayer teaches [a] three-dimensional (3D) video encoding system, the system comprising:

an encoder having an input to accept a current 3D video image, including a first view of the image and a second, 3D, view of the image, the encoder encoding the first view as a frame top field and the second view as the frame bottom field, and the

encoder having a channel- connected output to supply a bitstream with current video frame, having the top field interlaced with the bottom field ("The line polarization method utilizes the interlace method in televisions transmissions. In the interlace method, a first and a second field are always transmitted in alternation, these being combined in a comb-like fashion to form an image", Mayer, column 1, line 19 and figure 1, showing the separate 2d input images being encoded as an inter-laced 3D image).

Regarding claims 16 and 39, Mayer teaches wherein the encoder accepts a first and second view of a stereo image (Mayer, figure 1, showing a left-eye and right-eye input image being converted into a 3D-image).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 13 rejected under 35 U.S.C. 103(a) as being unpatentable over Mayer et al. (US 6,449,003) in combination with Berry et al. (US 6,081,270).

Regarding claim 13, Mayer teaches [t]he method of claim 1, and presenting a 2D image in response to using one of the decoded current frame interlaced fields as described above.

Mayer does not teach simultaneous with the presentation of the 3D image, presenting a 2D image.

Berry working in the same problem solving area of image display does teach simultaneous with the presentation of the 3D image, presenting a 2D image ("A 2D presentation plane is used in conjunction with presentation of a 3D virtual world", Berry, column 4, line 26)

It would have been obvious at the time the invention was made for one of ordinary skill in the art to combine the simultaneous 2D/3D display method of Park with the 3D coding system of Mayers as "the combination of 2D and 3D presentations in a single view provides the benefits of both images simultaneously" (Berry, column 5, line 6, and "The simultaneous combination of 3D and 2D presentations provides optimum ease of use and productivity in a single seamless user environment" (Berry, column 5, line 26).

6. Claims 2, 4, 5, 25, 27 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mayer et al. (US 6,449,003) in combination with Hannuksela (US 2004/0218816) and Wang et al. (US 2004/0096109).

Regarding claims 2 and 25 Mayer discloses the elements in common with claims 1 and 24.

Mayer does not teach wherein the decoder accepts the bitstream in a standard selected from the group including Motion Pictures Expert Group-2 (MPEG2), MPEG4, and ITU-T H.264 standards.

Hannuksela working in the same problem area of efficient video transmission ("The invention also relates to a system, transmitting device, receiving device, an encoder, a decoder, an electronic device, a software program, a storage medium, and a signal", Hannuksela, paragraph 1), does teach wherein the decoder accepts the bitstream in a standard selected from the group including Motion Pictures Expert Group-2 (MPEG2), MPEG4, and ITU-T H.264 standards ("Recommendation H.264 and ISO/IEC International Standard 14496-10 (MPEG-4 Part 10). The draft standard is referred to as the JVT coding standard in this application, and the codec according to the draft standard is referred to as the JVT codec", Hannuksela, paragraph 8).

It would have been obvious at time the invention was made for one of ordinary skill in the art to use the encoding and decoding methods described by Hannuksela with the 3D system of Mayer since "Without video compression, the number of bits required to represent digital video content can be extremely large, making it difficult or even

impossible for the digital video content to be efficiently stored, transmitted, or viewed” (Wang, paragraph 2).

Regarding claims 4, 5, 27 and 28, the combination of Mayer, Hannuksela and Wang does teach wherein the decoder receives a supplemental enhancement information (SEI) 3D content message with the current video frame (“In the JVT coding standard, PTS can optionally be carried as a part of Supplemental Enhancement Information (SEI)”, Hannuksela, paragraphs 34 and 35, SEI is part of the H.264 standard and is used to carry specific data about the information sent, it would be natural to send 3D field information, e.g. right eye image or left eye image), analyzes display capabilities (“In order to be compatible with the various standards, it is necessary to be able to adapt. When, for example, images are transmitted in the one standard but are to be presented in the other standard, a corresponding conversion of the images is necessary”, Mayer, column 4, line 54, Mayer’s primary concern is adapting input to match the capabilities of the display), and, if non-3D display capabilities are detected, decodes only one of the current frame interlaced fields in response to the 3D option SEI message; and, wherein the display visually presents a two-dimensional (2D) image (“FIG. 6 shows a sixth table with the indication of line allocations given a change from a three-dimensional image to a two-dimensional image”, Mayer, column 3, line 51 and Figure 6).

7. Claims 9, 15, 20, 32, 38, and 43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mayer et al. (US 6,449,003) in combination with Wiegand et al. (IEEE 2003).

Regarding claims 15 and 38, Mayer teaches the elements of claims 14 and 37.

Mayer does not teach wherein the encoder transmits the bitstream in a standard selected from the group including Motion Pictures Expert Group-2 (MPEG2), MPEG4, and ITU-T H.264 standards.

Wiegand working in the same problem solving area of video coding, does teach wherein the encoder transmits the bitstream in a ITU-T H.264 standard ("Overview of the H.264/AVC Video Coding Standard", Wiegand, Title).

It would have been obvious at the time the invention was made for one of ordinary skill in the art to use the H.264 encoding method as taught by Wiegand with the 3D coding system of Mayer since "[w]hen used well together, the features of the new design provide approximately a 50% bit rate savings for equivalent perceptual quality relative to the performance of prior standards (especially for higher-latency applications which allow some use of reverse temporal prediction)", Wiegand, page 576, column 2, 2nd paragraph)

Regarding claims 9 and 32, Mayer teaches all the elements of claim 1 and 24 as given above:

Mayer does not teach wherein the decoder, prior to accepting the current frame, accepts a first encoded video frame, derives a predictive first frame top field, derives a predictive first frame bottom field, decodes the current frame top field in response to the predictive first frame top field, and decodes the current frame bottom field in response to the predictive first frame bottom field.

Wiegand, working in the same problem solving area of video coding, does teach wherein the decoder, prior to accepting the current frame, accepts a first encoded video frame, derives a predictive first frame top field, derives a predictive first frame bottom field, decodes the current frame top field in response to the predictive first frame top field, and decodes the current frame bottom field in response to the predictive first frame bottom field ("To not combine the two fields and to code them as separate coded fields (field mode)", Wiegand, page 566, column 2, paragraph 4).

It would have been obvious at the time the invention was made for one of ordinary skill in the art to use the adaptive frame/field coding method of Wiegand in the 3D coding system of Mayer for better coding efficiency ("In interlaced frames with regions of moving objects or camera motion, two adjacent rows tend to show a reduced degree of statistical dependency when compared to progressive frames in (sic). In this

case, it may be more efficient to compress each field separately", Wiegand, page 566, column 2, paragraph 4).

Regarding claims 20 and 43, the combination of Meyar and Wiegand teaches prior to accepting the current video image, accepting a first video image; encoding a first image top field; encoding a first image bottom field; wherein encoding the current frame top field includes encoding the current frame top field in response to the first image top field; and, wherein encoding the current frame bottom field includes encoding the current frame bottom field in response to the first frame bottom field ("To not combine the two fields and to code them as separate coded fields (field mode)", Wiegand, page 566, column 2, paragraph 4).

8. Claims 10-12, 21-23, 33-35 and 44-46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mayer et al. (US 6,449,003) and Wiegand et al. (IEEE 2003) in combination with Nelson (US 2002/0009137 from IDS).

Regarding claims 10 and 33, the combination of Mayer and Wiegand does teach image coding by field as described above. The combination does not explicitly teach wherein the decoder, prior to accepting the current frame, accepts a first encoded video frame, derives a predictive first frame first field, decodes the current frame top field in

response to the predictive first frame first field, and decodes the current frame bottom field in response to the predictive first frame first field.

Nelson, working in the same field of endeavor of encoding 3D signals does teach wherein the decoder, prior to accepting the current frame, accepts a first encoded video frame, derives a predictive first frame first field, decodes the current frame top field in response to the predictive first frame first field, and decodes the current frame bottom field in response to the predictive first frame first field ("The video stream compressor 350 includes an enhancement stream compressor 352, a base stream compressor 354", Nelson, paragraph 124 and "Either the right field view video stream or the left field view video stream may be used to generate a base stream. For example, when the left field view video stream is used to generate the base stream, the right field view video stream is used to generate the enhancement stream, and vice versa", paragraph 125, and "the enhancement stream compressor preferably receives one or more I-pictures 366 from the base stream compressor 354 for its video stream compression. P-pictures and/or B-pictures for the enhancement stream 368 preferably are encoded using the base stream I-pictures as reference images. Using this approach, one video stream preferably is coded independently, and the other video stream preferably coded with respect to the other video stream which have been independently coded", paragraph 128, the base stream is a standard MPEG-2 encode stream, the enhancement channel is the other camera view encoded with the same motion prediction)

It would have been obvious at the time the invention was made for one of ordinary skill in the art to use Nelson's method of using the prediction information from one view to predict frames in both views, with the 3D image system of Mayer and Wiegand for more efficient use of bandwidth since "Since the enhancement stream 54 does not contain all the information necessary to re-generate encoded video images, the enhancement stream decompressor 42 preferably receives I-pictures 41 from the base stream decompressor 40 to decode its P-pictures and/or B-pictures", Nelson, paragraph 53).

Regarding claims 11 and 34, the combination of Mayer, Wiegand and Nelson teaches wherein the decoder derives a predictive first frame top field ("Either the right field view video stream or the left field view video stream may be used to generate a base stream. For example, when the left field view video stream is used to generate the base stream, the right field view video stream is used to generate the enhancement stream, and vice versa", paragraph 125).

Regarding claims 12 and 35, the combination of Mayer, Wiegand and Nelson teaches wherein the decoder derives a predictive first frame bottom field ("Either the right field view video stream or the left field view video stream may be used to generate a base stream. For example, when the left field view video stream is used to generate the base stream, the right field view video stream is used to generate the enhancement stream, and vice versa", paragraph 125).

Regarding claims 21 and 44, the combination of Meyar, Wiegand and Nelson teaches wherein the encoder, prior to accepting the current image, accepts a first video image, encodes a first image first field, encodes the current frame top field in response to the first image first field, and encodes the current frame bottom field in response to the first image first field ("The video stream compressor 350 includes an enhancement stream compressor 352, a base stream compressor 354", Nelson, paragraph 124 and "Either the right field view video stream or the left field view video stream may be used to generate a base stream. For example, when the left field view video stream is used to generate the base stream, the right field view video stream is used to generate the enhancement stream, and vice versa", paragraph 125, and "the enhancement stream compressor preferably receives one or more I-pictures 366 from the base stream compressor 354 for its video stream compression. P-pictures and/or B-pictures for the enhancement stream 368 preferably are encoded using the base stream I-pictures as reference images. Using this approach, one video stream preferably is coded independently, and the other video stream preferably coded with respect to the other video stream which have been independently coded", paragraph 128, the base stream is a standard MPEG-2 encode stream, the enhancement channel is the other camera view encoded with the same motion prediction).

Regarding claims 22 and 45, the combination of Meyar and Wiegand teaches wherein the first image first field is a first image top field ("Either the right field view video stream or the left field view video stream may be used to generate a base stream. For example, when the left field view video stream is used to generate the base stream, the right field view video stream is used to generate the enhancement stream, and vice versa", paragraph 125).

Regarding claims 23 and 46, the combination of Meyar and Wiegand teaches wherein the first image first field is a first image bottom field("Either the right field view video stream or the left field view video stream may be used to generate a base stream. For example, when the left field view video stream is used to generate the base stream, the right field view video stream is used to generate the enhancement stream, and vice versa", paragraph 125).

9. Claims 17-19 and 40-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mayer et al. (US 6,449,003) and Wiegand et al. (IEEE 2003) in combination with Inuzuka et al. (US 6,784,891).

Regarding claims 17 and 40, the combination of Mayer and Wiegand teaches [t]he method of claim 14 further comprising: transmitting a supplemental enhancement information (SEI) 3D option message with the current video frame.

The combination of Mayer and Wiegand does not explicit teach transmitting an SEI option message to trigger optional single field two-dimensional (2D) decoding.

Inuzuka, working in the same problem solving area of image display, does teach exchanging information between a display device and a data source in order to match capabilities (Inuzuka, figure 18, and "Further, by using the display control device 200, performing a negotiation procedure for exchanging the capabilities among the devices, a set-up of the compressed data type, the image area separation based on the image content, and adjusting the processing time "pf" and the display frame "f", it is also possible to enhance the image quality while utilizing the device capabilities", column 8, line 14).

It would have been obvious at the time the invention was made for one of ordinary skill in the art to use the display capability feedback method of Inuzuka with the SEI message feature of the combination of Mayer and Wiegand to effectively match display capabilities with the data source including switching to 2D output if the display does not have 3D capabilities. It also enables efficient use of bandwidth by avoiding encoding and sending information that the display is unable to make use of.

Regarding claims 18 and 41, the combination of Mayer, Wiegand and Inuzuka teaches wherein the encoder transmits a 2D command responsive to a trigger selected from the group including an analysis of connected receiver capabilities and the channel bandwidth (Inuzuka, figure 18, and "Further, by using the display control device 200,

performing a negotiation procedure for exchanging the capabilities among the devices, a set-up of the compressed data type, the image area separation based on the image content, and adjusting the processing time "pf" and the display frame "f", it is also possible to enhance the image quality while utilizing the device capabilities", column 8, line 14, and "However, the upper limit value "fup" defined by the device capability of the display device itself can not be exceeded. Accordingly, the processing time "pf" can be defined as the upper limit value "fup" being the constraint", Inuzuka, column 8, line 10, Inuzuka explains that the display capability can be used to establish the maximum usable data rate).

Regarding claims 19 and 42, the combination of Mayer, Wiegand and Inuzuka teaches wherein the encoder encodes and transmits only one of the fields from the current view frame ("FIG. 6 shows a sixth table with the indication of line allocations given a change from a three-dimensional image to a two-dimensional image", Mayer, column 3, line 51 and Figure 6, Figure 6 shows the 2D image being generated from all odd field lines, which would correspond to one of the interlaced fields).

10. Claims 6, 7, 29, 30 and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mayer et al. (US 6,449,003) in combination with Yun et al. (US 2003/0095177).

Regarding claim 36, Mayer teaches [t]he system of claim 24 wherein the display presents a 2D image in response to using only one of the decoded current frame interlaced fields

Mayer does not explicitly teach displaying a 2D image as a selected alternative to the presentation of the 3D image.

Yun, working in the same area of endeavor of 3D imaging does teach displaying a 2D image as a selected alternative to the presentation of the 3D image ("When the user selects the 2D video display mode for stereoscopic 3D video data", Yun, paragraph 81, and "When the user selects the 3D video display mode for multiview 3D video data", Yun, paragraph 82).

It would have been obvious at the time the invention was made for one of ordinary skill in the art to use the 2D/3D mode selection of Yun with the 3D system of Mayer so the user can select a display mode according to his needs ("It is further another object of the present invention to select data suitable for the user's demand and the user system environments, thereby facilitating the data stream", Yun, paragraph 13) and basically just to let the user pick a display that appeals to him aesthetically.

Regarding claims 6 and 29, the combination of Mayer and Yun teaches wherein the decoder includes a 2D decision unit to supply 2D selection commands, and wherein

the decoder decodes only one of the current frame interlaced fields in response to the 2D selection commands; and, wherein the display visually presents a 2D image ("FIG. 6 shows a sixth table with the indication of line allocations given a change from a three-dimensional image to a two-dimensional image", Mayer, column 3, line 51 and Figure 6, Mayer clearly shows 3D input being reduced to 2D output and "In FIG. 9, the input signal VS is digitalized and at least one image is deposited in the RAM memory 2 at the same time. With the controller 3, the stored images are fetched at a rate independent of the storing and are forwarded to the digital-to-analog converter 4 that generates a video signal with a new resolution therefrom and forwards it to the picture screen 5", Mayer, column 8, line 56, and figure 9, Mayer's output goes to a display).

Regarding claims 7 and 30, the combination of Mayer and Yun teaches wherein the decoder 2D decision units supplies 2D selection commands in response to a trigger selected from the group including receiving an SEI message, an analysis of display capabilities, manual selection ("When the user selects the 2D video display mode for stereoscopic 3D video data", Yun, paragraph 81, and "When the user selects the 3D video display mode for multiview 3D video data", Yun, paragraph 82), and receiver system configuration ("Accordingly, pursuant to the method and circuit of the present invention, a correct allocation of transmitted fields to the polarized lines of the image presentation device is always established regardless of the resolution standard with which the images are transmitted and displayed. Missing lines are supplemented. Too many lines are skipped. The correct allocation of the transmitted image lines to the

respective, polarized presentation lines, finally is obtained by a line transposition when necessary", Mayer, column 2, line 6, Mayer adapts his output to display properly on his output device).

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Uz (EP 0 639 031) teaches using a left view signal to provide prediction information for both left and right view image streams.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas M. Redding whose telephone number is (571) 270-1579. The examiner can normally be reached on Mon - Fri 7:30 am - 5:00 pm EST.

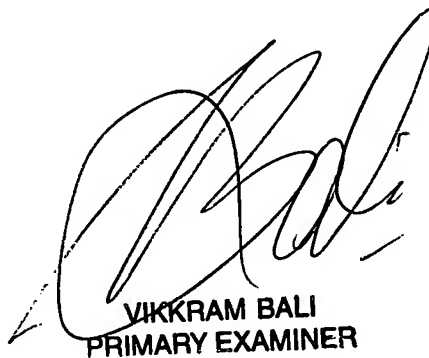
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vikram Bali can be reached on (571) 272-7415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/TMR/



VIKKRAM BALI
PRIMARY EXAMINER